

# UTILITY PATENT APPLICATION TRANSMITTAL

(only for new non-provisional applications under 37 CFR §1.53(b))

Mail Stop Patent Application  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450



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September 4, 2003

Date of Deposit

Bonnie Stein

Signature

EL 721892395 US

Express Mail No.

Transmitted herewith for filing is the patent application under 37 CFR 1.53(b) of:

AVENTIS DOCKET NO.: **FRAV2002/0022 US NP**  
INVENTORS: **Branislav MUSICKI**  
TITLE: **Novel heterocyclic compounds, preparation process and intermediates, and use as medicaments, in particular as  $\beta$ -lactamase inhibitors and antibacterials**

## APPLICATION ELEMENTS

1. ☒ \*Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

2. ☒ Specification  
(preferred arrangement set forth below)
- Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure

Total Pages 55

3. ☐ Drawing(s) (35 U.S.C. 113)

Total Sheets 0

4. Oath or Declaration

Total Pages 2

- a. ☒ Newly **unexecuted** (original or copy)

- b. ☐ Copy from a prior application (37 CFR § 1.63(d))

- i. ☐ **DELETION OF INVENTOR(S)**

Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).

5. Power of Attorney

Total Pages

- a. ☐ Newly executed (original or copy)

- b. ☐ Copy from a prior application (37 CFR § 1.63(d))

6. ☐ Microfiche Computer Program (Appendix)

7. Nucleotide and/or Amino Acid Sequence Submission

(if applicable, all necessary)

- a. ☐ Computer Readable Copy  
b. ☐ Paper Copy (identical to computer copy)  
c. ☐ Statement verifying identity of above copies

☐

**If a CONTINUING Application**, check appropriate box, and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part

of prior application no: \_\_\_\_\_, filed \_\_\_\_\_,

Examiner \_\_\_\_\_, Group/Art Unit \_\_\_\_\_.

(The cross reference has been/will be inserted on page one of the specification).

☒

This application claims the benefit of priority from French Application No. 02 10957 filed September 5, 2002. (The cross reference has been inserted on page one of the specification).

☐

**Incorporation By Reference** (useable if filing a continuation/divisional and a copy of the declaration from the prior application is enclosed.)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

**ACCOMPANYING APPLICATION PARTS**

7. ☐ Assignment Papers (cover sheet & document(s))  
8. ☐ 37 CFR §3.73(b) Statement (when there is an assignee)  
9. ☐ Verified English Translation Document (if applicable)  
10. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations  
11. ☐ Preliminary Amendment  
12. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)  
13. ☐ \*Small Entity Statement(s) (PTO/SB/09-12) ☐ Statement filed in prior application, Status still proper and desired  
14. ☒ Certified Copy of Priority Document(s) (if foreign priority is claimed)  
15. ☒ Other: Application Data Sheet

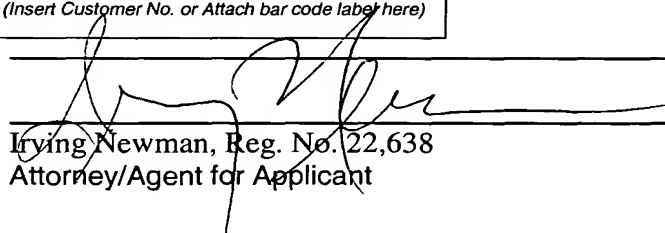
**CORRESPONDENCE ADDRESS**

☒

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Irving Newman, Reg. No. 22,638  
Attorney/Agent for Applicant

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Aventis Docket No. **FRAV2002/0022US NP**

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**FEE TRANSMITTAL  
for FY 2003**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$)**804.00****Complete if Known**

Application Number	To Be Assigned
Filing Date	Filed Concurrently Herewith
First Named Inventor	B. Musicki
Examiner Name	To Be Assigned
Group / Art Unit	To Be Assigned
Attorney Docket No.	FRAV2002/0022US NP

**METHOD OF PAYMENT** (check all that apply)
☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account
 Deposit  
Account  
Number  
Deposit  
Account  
Name

18-1982

Aventis Pharmaceuticals Inc.

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account
**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
1001	750	2001	375
1002	330	2002	165
1003	520	2003	260
1004	750	2004	375
1005	160	2005	80

**SUBTOTAL (1)** (\$)**750****2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
23	-20**= 3	18	54
Independent	1	- 3**= 0	84
Claims			
Multiple Dependent			

Large Entity		Small Entity		<u>Fee Description</u>
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$)**54**

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION** (continued)**3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
1051	130	2051	65
1052	50	2052	25
1053	130	1053	130
1812	2,520	1812	2,520
1804	920*	1804	920*
1805	1,840*	1805	1,840*
1251	110	2251	55
1252	410	2252	205
1253	930	2253	465
1254	1,450	2254	725
1255	1970	2255	985
1401	320	2401	160
1402	320	2402	160
1403	280	2403	140
1451	1,510	1451	1,510
1452	110	2452	55
1453	1,300	2453	650
1501	1,300	2501	650
1502	470	2502	235
1503	630	2503	315
1460	130	1460	130
1807	50	1807	50
1806	180	1806	180
8021	40	8021	40
1809	750	2809	375
1810	750	2810	375
1801	750	2801	375
1802	900	1802	900

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$)**SUBMITTED BY**

Name (Print/Type)	Irving Newman, Reg. No. 22,638	Registration No. (Attorney/Agent)	22,638	Telephone	(908) 231-2785
Signature		Date	September 4, 2003		

Complete (If applicable)

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Alexandria, VA 22313. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Aventis Pharmaceuticals Inc. template